



CRIME INVESTIGATION, EVIDENCE COLLECTION AND ANALYSIS TRAINING COURSE

REF: #LAW63325673



COURSE INTRODUCTION / OVERVIEW:

Every successful criminal case begins with what investigators see, record, and protect in the first hours after a crime. This training course offers a complete journey through criminal investigation, from the first response at the crime scene to the presentation of evidence in court. Participants will learn how to plan an investigation, secure and document a crime scene, collect physical, biological, and digital evidence, and maintain a reliable chain of custody that withstands legal challenge. The course connects forensic science with practical investigative work, showing how fingerprints, DNA, trace evidence, firearms evidence, and digital data are analyzed and interpreted. It also covers investigative interviewing, intelligence analysis, crime scene reconstruction, and the writing of clear investigation reports. Drawing on the work of Barry A. J. Fisher in his book *Techniques of Crime Scene Investigation*, and on Charles R. Swanson's widely used text *Criminal Investigation*, the program blends established theory with current forensic practice. Special attention is given to avoiding contamination, reducing cognitive bias, and meeting quality standards such as ISO/IEC 17025 for forensic laboratories. Delivered by BIG BEN Training Center, this course helps investigators, forensic staff, and legal professionals build sound evidence collection and analysis skills, strengthen case quality, and support fair and accurate justice outcomes.

TARGET AUDIENCE / THIS TRAINING COURSE IS SUITABLE FOR:

- Criminal investigators and detectives.
- Police officers and first responders at crime scenes.
- Crime scene investigators and crime scene technicians.
- Forensic science specialists and laboratory analysts.
- Evidence management and property room officers.
- Public prosecutors and legal advisors.
- Military police and security investigation officers.
- Customs, border, and anti-smuggling investigators.
- Fraud and internal investigation specialists.
- Digital forensics and cybercrime investigators.
- Supervisors and heads of investigation units.



TARGET SECTORS AND INDUSTRIES:

- Government agencies, ministries of interior, public prosecution offices, and equivalent public authorities.
- Police and law enforcement agencies.
- Forensic science laboratories and medical examiner offices.
- Judicial and legal institutions.
- Military and national security bodies.
- Customs and border protection authorities.
- Banking and financial services facing fraud and money laundering risks.
- Insurance companies handling claims investigations.
- Oil, gas, and energy companies with strict security requirements.
- Aviation, ports, and transportation sectors.
- Corporate security and private investigation services.

TARGET ORGANIZATIONS DEPARTMENTS:

- Criminal investigation departments.
- Crime scene and forensic evidence units.
- Forensic laboratories and quality assurance departments.
- Legal affairs and prosecution departments.
- Internal audit and fraud investigation departments.
- Corporate security and loss prevention departments.
- Cybercrime and digital forensics units.
- Intelligence and criminal analysis units.
- Evidence storage and records management departments.
- Training and professional development departments.

COURSE OFFERINGS:

By the end of this course, the participants will be able to:

- Explain the principles, stages, and legal framework of criminal investigation.
- Plan and manage an investigation from the first report to case closure.



- Secure, protect, and document a crime scene using photography, sketches, and notes.
- Apply correct methods for collecting, packaging, and labeling physical and biological evidence.
- Maintain a complete and defensible chain of custody for all evidence.
- Prevent contamination and loss of evidence during collection, transport, and storage.
- Understand the analysis and interpretation of fingerprints, DNA, trace, and firearms evidence.
- Identify, preserve, and handle digital evidence from devices and online sources.
- Conduct structured investigative interviews with witnesses, victims, and suspects.
- Use intelligence analysis and link analysis to connect people, places, and events.
- Reconstruct crime scenes and test investigative hypotheses objectively.
- Recognize and reduce cognitive bias in investigation and forensic decision making.
- Write clear, accurate, and court-ready investigation reports.
- Present evidence and testify confidently as a witness in court.

COURSE METHODOLOGY:

This training course uses an active, practice-based learning approach that turns investigative and forensic theory into real working skills. Each day combines short expert presentations with guided discussions, so participants understand not only what to do at a crime scene, but why each step matters for the integrity of evidence and the success of the case. Realistic case studies drawn from solved and unsolved criminal cases are used to show how evidence was found, missed, or challenged, and what lessons investigators can learn from them. Participants work in small teams on simulated crime scenes, where they plan the response, assign roles, document the scene, and collect and package evidence step by step. Group exercises on chain of custody forms, evidence logs, and investigation reports help build accuracy and attention to detail. Interactive sessions include role plays for investigative interviews and mock court testimony, allowing participants to practice under realistic pressure. Analysis workshops guide teams through linking evidence, building timelines, and testing hypotheses. Throughout the course, the trainer gives continuous and constructive feedback, and each team reviews its own work against best practice checklists. BIG BEN Training Center ensures that every activity is relevant to participants' daily work, so they leave with practical tools they can apply immediately.



COURSE AGENDA (COURSE UNITS):

UNIT ONE: FOUNDATIONS OF CRIMINAL INVESTIGATION AND LEGAL FRAMEWORK

- The concept, goals, and principles of criminal investigation.
- Stages of the investigation process from report to case closure.
- Types of crimes and how they shape the investigative approach.
- The legal framework for investigation, search, and seizure.
- Rights of suspects, victims, and witnesses during investigation.
- Roles and responsibilities within the investigation team.
- Investigation planning and case management basics.
- Ethics, integrity, and professional conduct of investigators.

UNIT TWO: CRIME SCENE MANAGEMENT AND DOCUMENTATION

- First responder duties and securing the crime scene.
- Setting scene boundaries, entry control, and access logs.
- Scene assessment and choosing search patterns.
- Forensic photography and video recording of the scene.
- Crime scene sketching, measurements, and diagrams.
- Writing detailed and accurate scene notes.
- Personal protective equipment and scene safety.
- Preventing contamination and preserving the original state of the scene.

UNIT THREE: EVIDENCE COLLECTION, PACKAGING, AND CHAIN OF CUSTODY

- Locard's exchange principle and types of physical evidence.
- Collecting fingerprints, footwear, and tool mark impressions.
- Collecting biological evidence such as blood, hair, and body fluids.
- Collecting trace evidence such as fibers, glass, paint, and soil.
- Handling firearms, ammunition, and weapon related evidence.
- Correct packaging, sealing, and labeling of evidence.
- Building and maintaining a defensible chain of custody.
- Evidence transport, storage, and property room management.



UNIT FOUR: FORENSIC ANALYSIS AND DIGITAL EVIDENCE

- The role of the forensic laboratory and ISO/IEC 17025 quality standards.
- Fingerprint comparison and identification methods.
- DNA analysis, databases, and interpreting DNA results.
- Firearms examination and ballistics basics.
- Analysis of documents, handwriting, and trace evidence.
- Forensic toxicology and the role of forensic pathology.
- Identifying, seizing, and preserving digital evidence.
- Analyzing data from mobile phones, computers, and online sources.

UNIT FIVE: INVESTIGATIVE ANALYSIS, INTERVIEWING, AND COURT PRESENTATION

- Investigative interviewing techniques and the PEACE model.
- Assessing witness reliability and statement analysis.
- Intelligence analysis, link analysis, and timeline building.
- Crime scene reconstruction and testing investigative hypotheses.
- Recognizing and reducing cognitive bias in investigations.
- Writing professional investigation and evidence reports.
- Preparing case files for prosecution.
- Courtroom testimony and presenting evidence as an expert or witness.

FAQ:

QUALIFICATIONS REQUIRED FOR REGISTERING TO THIS COURSE?

There are no requirements.

HOW LONG IS EACH DAILY SESSION, AND WHAT IS THE TOTAL NUMBER OF TRAINING HOURS FOR THE COURSE?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.



SOMETHING TO THINK ABOUT:

If forensic evidence is only as reliable as the human decisions made in collecting and interpreting it, how can investigators be sure that what the evidence seems to say is truly what happened, and not what they expected to find?

WHAT UNIQUE QUALITIES DOES THIS COURSE OFFER COMPARED TO OTHER COURSES?

This course stands out because it treats criminal investigation as one connected chain, where every link, from the first officer at the scene to the analyst in the laboratory and the witness in court, affects the final outcome of the case. Instead of studying crime scene work, evidence collection, and forensic analysis as separate subjects, participants follow evidence through its entire life cycle and see how a small mistake at the scene can weaken even the strongest laboratory result. The course gives equal weight to physical, biological, and digital evidence, reflecting the reality that most modern cases depend on all three. It also addresses an area often overlooked in investigation training, which is the effect of cognitive bias on how investigators and forensic experts interpret evidence, and offers practical ways to reduce it. Learning is built around realistic simulations, case reviews, and mock court sessions, so participants gain judgment and confidence, not only knowledge. Each topic is linked to legal admissibility, helping investigators produce evidence that stands up to defense challenges. With BIG BEN Training Center, participants gain a clear, structured, and practical understanding of how sound evidence collection and analysis lead to accurate findings, stronger prosecutions, and fair justice.